SCHOFIELD GENERATING STATION PROJECT
ENVIRONMENTAL IMPACT STATEMENT

Hawaiian Electric

Project Fact Sheet

For more information visit www.garrison.hawaii.army.mil/schofieldplant/

What is the Proposed Schofield Generating Station Project?

A lease and easement of Army land on Schofield Barracks and an easement and Conservation District Authorization to cross State land would be granted to Hawaiian Electric Company for the construction, ownership, operation, and maintenance of a 50-megawatt (MW), biofuel-capable power generation plant and subtransmission line to connect the plant to the Hawaiian Electric Company grid.

Technical Details of the Proposed Plant

- 50 MW generating station with six modern diesel generators:
  - Quick-starting: startup to full power output in 6 minutes
  - Multi-fuel capable: various liquid fuels and gas capable
  - Flexible, rugged, proven technology: power range of 4–50 MW
  - Efficient: 20–25 percent more fuel efficient than existing comparable units
  - Very low water use: less than 7 gal/min
- 46-kilovolt transmission line over Army and State lands to connect to grid
- If approved, the project could be operational by the fourth quarter of 2017

Benefits to the Public

Energy security and resilience:

- The only inland Oahu power plant: less vulnerable to coastal impacts
- Secure location: on a military base
- Enhanced national security and disaster response: capable of powering Schofield Barracks, Wheeler Army Airfield, and Field Station Kunia directly (Wheeler airfield supports National Guard and FEMA disaster response)
- Power restoration:
  - Wahiawa restored faster during certain outages
  - Capable of restarting Oahu grid during island-wide outage

Renewable energy:

- Biofuel use will contribute to State and Army renewable energy goals
- Quick-start/flexible technology enables more wind and PV on the grid
- Commitment to biofuels will continue demand for local biofuels

Roles and Responsibilities for Partners

Cooperative partnership between Hawaiian Electric and the U.S. Army:

- Army to provide 30+ year lease and easement of land
- Hawaiian Electric to build, own, and operate the facility
- Facility will normally supply all Hawaiian Electric customers
- Under certain contingencies, power would be diverted from Oahu grid to Schofield, Wheeler Army Airfield, and Field Station Kunia directly

Major Environmental, Permit, and Real Estate Requirements

- Joint Federal/State Environmental Impact Statement
- Air Permit
- Public Utilities Commission application/project approval
- Army lease and easement
- Easement and conservation district authorization from the Hawaii Department of Land and Natural Resources
- Design and building permits